ABSTRACT

Process for the compression of digital data of a video sequence comprising alternating shots

The process is characterized in that it comprises the following steps:
- segmentation (1) of the sequence into alternating video shots,
- classification (2) of these shots according to camera angles in order to obtain classes,
- construction of a sprite (3) or video object plane for a class that is an image corresponding to the background relating to this class,
- grouping (5) of at least two sprites onto the same sprite or video object plane, in order to form an image called large sprite,
- extraction (4), for the shots corresponding to the large sprite, of image foreground objects from the sequence relating to these shots,
- separate encoding of the large sprite and of the extracted foreground objects.

Application to the transmission and to the storage of video data.

Figure 1.